

CLAIMS:

1. (Previously amended). A projection display system, comprising:
  - (a) a light source that provides light;
  - (b) a polarizing device that receives said light;
  - (c) at least one polarizing beam splitter that receives said light that has previously been received by said polarizing device;
  - (d) at least one generator for generating an image that receives light that has previously been received by said polarizing beam splitter;
  - (e) a projection source for projecting said image;
  - (f) a color component rotator optically located between said polarizing device and said projection source, wherein at least a portion of said light passes through said color component rotator, wherein said color component rotator changes the polarization state of a first wavelength range of said light incident thereon while being free from changing the polarization state of a second wavelength range of light incident thereon; and
  - (g) wherein said light of said first wavelength range and said second wavelength range are transmitted through said system simultaneously.
2. (Original). The projection display system of claim 1 wherein said color component rotator is between said polarizing beamsplitter and said light source.
3. (Original). The projection display system of claim 1 further comprising a second color component rotator.
4. (Original). The projection display system of claim 1 further comprising a second liquid crystal display panel for generating a second image.
5. (Canceled).
6. (Original). The projection display system of claim 4 further comprising a third liquid crystal display panel for generating a third image.

7. (Canceled).

8. (Original) The projection display system of claim 1 wherein said polarizing device is a polarization converter.

9. (Canceled).

10. (Original) The projection display system of claim 1 further comprising a dichroic filter.

11. (Original) The projection display system of claim 1 wherein said color component rotator is located between a polarizer and an analyzer.

12. (Canceled).

13. (Original). The projection display system of claim 1 wherein light from said light source is separated into three color components.

14. (Original). The projection display system of claim 13 wherein said three color components are red, blue and green.

15-16. (Canceled).

17. (Previously Amended). A projection display system, comprising:
  - (a) a light source that provides light;
  - (b) a polarization converter that receives said light;
  - (c) at least two polarizing beam splitters that receive said light that has previously been received by said polarizing device;
  - (d) at least three image generators that receive said light that has previously been received by at least one of said polarizing beam splitters, each for generating a respective image;
  - (e) a projection source for projecting said images; and
  - (f) at least one wavelength-selective color component rotator wherein at least a portion of said light passes through said color component rotator-and wherein at least one wavelength range of said light passing through said rotator is rotated while at least one other wavelength range of said light passing through said rotator is not rotated.

18. (Original). The projection display system of claim 17 wherein one of said color component rotators is between one of said polarizing beamsplitters and said polarization converter.

19. (Original). The projection display system of claim 17 wherein said polarization converter comprises a fly's eye lens plate and prism array.

20. (Original). The projection display system of claim 17 further comprising a dichroic filter and a crossed dichroic prism.

21-23. (Canceled).

24. (Original). The projection display system of claim 17 wherein said color component rotators are located between a polarizer and an analyzer.

25. (Original). The projection display system of claim 17 further comprising a pair of dichroic filters.

26. (Original). The projection display system of claim 25 wherein said pair of dichroic filters define at least two color channels, and one of said polarizing beamsplitters is located in one of said color channels and the other of said polarizing beamsplitters is located in the other of said color channels.

27. (Original). The projection display system of claim 17 wherein said projection source projects a projected image formed from three color components.

28. (Original). The projection display system of claim 27 wherein said three color components are red, blue and green.

29-31. (Canceled).

32-34. (Withdrawn).

35. (Canceled).

36-40. (Withdrawn).

41. (Canceled).

42-43. (Withdrawn).